

CHAPTER 9

AIRCREW GRADING SYSTEM

The aircrew grading system provides the commander a complete and continuous performance record on each crew member in his unit. These records reflect the performance of individuals at a given moment in time. Poor performance may or may not indicate inadequacy on the part of the crew member. The problem may be with the unit training program itself. A detailed analysis of all records should tell the commander where the problem is. Only then should he attempt to fix it. Five separate forms are used for evaluation or training flights. Blank copies of these forms are at the back of this training circular. They may be reproduced locally on 5 1/2- by 8-inch paper. The importance of these records to the commander as quality control and standardization tools cannot be overstated. They must be filled out carefully, completely, and legibly (printed in dark blue or black ink).

9-1. DA FORM 4507-R (STANDARD EVALUATION/TRAINING GRADE SLIP)

This form is used to record information about evaluations or training. It consists of two pages and is identical for all Army aircraft or simulation devices. Figures 9-1 and 9-2 (pages 9-3 and 9-4) show a sample of a completed DA Form 4507-R. Instructions for completing this form are given below.

a. Examinee/Trainee and Evaluator/Instructor. Required entries are self-explanatory. Show last names first.

b. Flight Time Data.

(1) Total hours. Enter total hours (fixed-wing or rotary-wing) if required by local directives.

(2) Purpose. Circle evaluation or training. If evaluation, write in the specific purpose of the evaluation flight; for example, proficiency flight evaluation.

NOTE: UTs must circle training in the purpose block.

(3) Time today and cumulative time. Enter flight time today at the completion of the evaluation or training flight. Use the cumulative time block to record accrued flight training time. When more than one flight period is required for the evaluation, enter the accrued evaluation time.

C 1-216

(4) **Seat.** Enter LS for left seat or RS for right seat for rated crew members, and enter NA for nonrated crew members.

(5) **Type aircraft, crew duty, type of training, and time flown.** Enter the type of aircraft, and place an X in the appropriate blocks. Circle NVG or NVS, as appropriate, when the type of training includes a night vision device. (If the type of training or crew duty position is other than that shown, specify in the space provided.) Enter the time flown in the block below each applicable condition; that is, day, night, hood, WX, simulator, NVG, and NVS.

c. **Evaluator/Instructor Recommendations.** Place an X in the appropriate blocks, and circle the applicable items. If the crew duty position is other than that shown, specify in the space provided. Use the comment slip on the back of the form to explain unsatisfactory performance, referencing the appropriate maneuver or procedure number from DA Form 5051-5-R or DA Form 5667-R. Recommended additional training also may be listed on the back of the form, even though all maneuvers and procedures may have been performed satisfactorily. Use DA Form 4507-2-R if additional space is needed. After completing the evaluation or training--

(1) Debrief the examinee or trainee and inform him of his status.

(2) Sign in the space provided on the front of the form and on the first unused line after the comments on the back.

(3) Obtain the examinee's or trainee's signature on the front of the form and beside your signature on the comment slip. (By signing the form, the examinee or trainee acknowledges that he has been debriefed. His signature does not mean that he concurs or nonconcurs with the results.)

(4) Circle S, U, or NA to indicate the overall grade for the flight based on considerations below. Then enter the date.

(a) During training flights, individual maneuvers or procedures may be graded unsatisfactory (U) without resulting in an overall grade of unsatisfactory.

(b) When used to develop an individual training program, the proficiency flight evaluation may be ungraded (NA).

(c) During any evaluation flight except for (b) above, failure of any maneuver or procedure will result in an overall grade of unsatisfactory (U). When the examinee or trainee is reevaluated, the maneuvers or procedures graded unsatisfactory, as a minimum, must be evaluated again.

STANDARD EVALUATION/TRAINING GRADE SLIP												
For use of this form, see TCs 1-209, 1-211, 1-212, 1-213, 1-214, 1-215, and 1-216; the proponent agency is TRADOC.												
EXAMINEE/ TRAINEE	NAME			RANK			SSN					
	KING, STEVEN R.			CW2			123-45-6789					
	UNIT						BIRTH MONTH					
	HHT, 3/4 CAV						OCT					
EVALUATOR/ INSTRUCTOR	NAME			RANK			SSN					
	WOOD, RICHARD R.			CW2			289-44-6801					
	UNIT											
	C CO 1/82 CAB											
FLIGHT TIME DATA												
TOTAL HOURS (FW):						TOTAL HOURS (RW): 700						
PURPOSE: EVALUATION TRAINING (SPECIFY) APART												
TIME TODAY: 4.0				CUMULATIVE TIME:				SEAT: LS				
TYPE AIRCRAFT: CH-47				PI	PC	UT	IP	SP	IE	MP	ME	CE
<input checked="" type="checkbox"/>	CONTACT						<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>	INSTRUMENT						<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>	NVG/NVS						<input checked="" type="checkbox"/>					
<input type="checkbox"/>	TACTICS											
<input type="checkbox"/>	GUNNERY											
<input type="checkbox"/>	OTHER											
DAY				NIGHT		HOOD		WX		SIMULATOR		NVG
2.0				1.0								1.0
EVALUATOR/INSTRUCTOR RECOMMENDATIONS												
<input checked="" type="checkbox"/>	(ISSUE) (VALIDATE) (ORDERS) (STATUS) AS			PI	PC	UT	IP	SP	IE	MP	ME	CE
	(SUSPEND) (REVOKE) DUTIES AS						<input checked="" type="checkbox"/>					
REQUIRES ADDITIONAL (FLIGHT) (ACADEMIC) (SIMULATION DEVICE) TRAINING												
<input checked="" type="checkbox"/>	SEE BACK FOR COMMENTS											
I HAVE DEBRIEFED THE EXAMINEE OR TRAINEE AND INFORMED HIM OF HIS STATUS.												
EVALUATOR'S OR INSTRUCTOR'S SIGNATURE: Richard R. Wood												
I HAVE BEEN DEBRIEFED BY THE EVALUATOR OR INSTRUCTOR AND UNDERSTAND MY CURRENT STATUS.												
EXAMINEE'S OR TRAINEE'S SIGNATURE: Steven R. King												
OVERALL GRADE FOR THIS FLIGHT IS:				S	U	NA	DATE: 3 Aug. '92					

DA FORM 4507-R, MAR 92

EDITION OF SEP 88 IS OBSOLETE

Figure 9-1. Sample of a completed DA Form 4507-R (front)

COMMENT SLIP

THIS HAS BEEN A SATISFACTORY
APART IP EVALUATION.

Steven R. King

Richard R. Wood

PAGE 2, DA FORM 4507-R, MAR 92

Figure 9-2. Sample of a completed DA Form 4507-R (back)

9-2. DA FORM 4507-2-R (CONTINUATION COMMENT SLIP)

This form is used to continue comments from the back of DA Form 4507-R. It consists of two pages and is identical for all Army aircraft or simulation devices. Figures 9-3 and 9-4 (pages 9-6 and 9-7) show a sample of a completed DA Form 4507-2-R. When completing this form, use the procedure in paragraph 9-1c. When all forms have been completed, staple them together.

9-3. DA FORM 5667-R (MANEUVER/PROCEDURE GRADE SLIP FOR CH-47 CREW MEMBERS)

This form, which consists of two pages, lists the base and mission tasks shown in Chapter 5. Blank spaces are provided to list additional tasks designated by the commander. Figures 9-5 and 9-6 (pages 9-8 and 9-9) show a sample of a completed DA Form 5667-R. The evaluator or instructor should carry this form during the evaluation or training flight. Instructions for completing this form are given below.

- a. Enter the examinee's or trainee's name (last name first) and the date.
- b. Enter either S or U in the grade (GR) block after the examinee or trainee completes each maneuver or procedure.
- c. Enter D in the grade block if the task is demonstrated and the crew member is unable to practice it for some reason.
- d. Place a diagonal in the grade blocks for all maneuvers or procedures not evaluated. An alternative method is to place a diagonal in the first and last unused blocks and draw a vertical line connecting the two diagonals. Use this method when three or more consecutive maneuvers or procedures are not graded.
- e. Enter sound, objective comments, referencing the appropriate maneuver or procedure number, on the back of DA Form 4507-R or, if additional space is needed, on DA Form 4507-2-R. These comments are important for reference by other instructors or evaluators during future training or evaluation.
- f. Sign the form in the first unused block.

NOTE: Tasks with circles are mandatory for standardization flight evaluations. Tasks with squares are mandatory for instrument flight evaluations. Tasks with diamonds are mandatory for NVG standardization flight evaluations. Tasks with (RCM) after their titles are for RCMs only. Tasks with (NCM) after their titles are for NCMs only.

CONTINUATION COMMENT SLIP

For use of this form, see TCs 1-209, 1-211, 1-212, 1-213, 1-214, 1-215, and 1-216; the proponent agency is TRADOC

Examinee's/Trainee's Name: KING, STEVEN R. Date: 3 Aug. 92

THIS FORM IS USED TO CONTINUE
COMMENTS FROM THE BACK OF DA FORM 4507-R.

Steven R. King Richard R. Wood

DA FORM 4507-2-R, MAY 87

Figure 9-3. Sample of a completed DA Form 4507-2-R (front)

CONTINUATION COMMENT SLIP

THIS FORM IS USED TO CONTINUE COMMENTS
FROM THE BACK OF DA FORM 4507-R.

Steven R. King Richard H. Wood

DA FORM 4507-2-R, MAY 87

Page 2

Figure 9-4. Sample of a completed DA Form 4507-2-R (back)

MANEUVER/PROCEDURE GRADE SLIP FOR CH-47 CREW MEMBERS For use of this form, see TC 1-216; the proponent agency is TRADOC.					
Examinee's/Trainee's Name <u>KING, STEVEN R.</u> Date <u>3 AUG 92</u> Instructor or evaluator will sign in the first unused block.					
NO	STANDARDIZATION EVALUATION/ TRAINING TASKS	GR	NO	STANDARDIZATION EVALUATION/ TRAINING TASKS	GR
①	CREW MISSION BRIEFING	S	24	FLIGHT WITH AFCS OFF (RCM)	S
②	VFR FLIGHT PLANNING (RCM)	S	25	CRUISE CHECK PROCEDURES	S
③	IFR FLIGHT PLANNING (RCM)	S	26	EMERGENCY PROCEDURES	S
4	DD FORM 365-4		27	PASSENGER BRIEFING	
⑤	DA FORM 4887-R (RCM)	S	28	INSTRUMENT TAKEOFF (RCM)	
⑥	PREFLIGHT INSPECTION	S	29	RADIO NAVIGATION (RCM)	
⑦	MAINT INSPECTION (NCM)	S	30	HOLDING PROCEDURES (RCM)	
⑧	ENGINE-START THROUGH BEFORE-TAKEOFF CHECKS	S	31	UNUSUAL ATTD RECOVERY (RCM)	S
⑨	ACFT SECURITY CHECK (NCM)	S	32	RADIO COMM/INTERCOM PROCEDURES	S
⑩	AIRCRAFT CLEARANCE AND AIRSPACE SURVEILLANCE	S	33	TWO-WAY RADIO FAILURE (RCM)	
⑪	GROUND TAXI	S	34	NONPRECISION APPROACH	
⑫	HOVER POWER CHECK	S	35	PRECISION APPROACH	
⑬	HOVERING FLIGHT	S	36	INADVERTENT IMC PROCEDURES/VHIRP (RCM)	S
⑭	VMC TAKEOFF	S	37	AFTER-LANDING TASKS	S
15	TRAFFIC PATTERN FLIGHT	S	38	MARK XII IFF SYSTEM	S
16	PILOTAGE AND DEAD RECKONING (RCM)		39	PINNACLE OR RIDGELINE OPERATION	
⑰	DOPPLER/OMEGA NAV (RCM)	S	40	FM RADIO HOMING	
⑱	BEFORE-LANDING CHECK	S	41	AERIAL OBSERVATION	
⑲	VMC APPROACH	S	42	EVASIVE MANEUVERS	
20	ROLL-ON LANDING	S	43	MULTIAIRCRAFT OPERATIONS	
⑳	SLOPE OPERATIONS	S	44	PARADROP OPERATIONS	
22	HOT/CLOSED CIRCUIT REFUELING (NCM)		45	EXTERNAL LOAD OPERATIONS	
23	SIMULATED ENG FAILURE AT ALTITUDE	S	46	INTERNAL LOAD OPERATIONS	
			47	AIRCRAFT SURVIVABILITY EQUIPMENT	

DA FORM 5667-R, AUG 92

EDITION OF NOV 87 IS OBSOLETE

Figure 9-5. Sample of a completed DA Form 5667-R (front)

TC 1-216

9-4. DA FORM 5051-5-R (MAINTENANCE TEST FLIGHT MANEUVERS GRADE SLIP (CH-47))

This form provides a record of evaluation and training conducted at the unit level. It addresses those maneuvers and procedures required in the performance of maintenance test flights. DA Form 5051-5-R is an important tool in attaining standardization and quality control. It should be filled out correctly and legibly. Figure 9-7 shows a sample of a completed DA Form 5051-5-R. The evaluator or instructor should carry this form during the evaluation or training flight. Instructions for completing this form are given below.

- a. Enter the examinee's or trainee's name (last name first) and the date.
- b. Enter either S or U in the grade (GR) block after the examinee or trainee completes each maneuver or procedure.
- c. Enter D in the grade block if the task is demonstrated and the crew member is unable to practice it for some reason.
- d. Place a diagonal in the grade blocks for all maneuvers or procedures not evaluated. An alternative method is to place a diagonal in the first and last unused blocks and draw a vertical line connecting the two diagonals. Use this method when three or more consecutive maneuvers or procedures are not graded.
- e. Enter sound, objective comments, referencing the appropriate maneuver or procedure number, on the back of DA Form 4507-R or, if additional space is needed, on DA Form 4507-2-R. These comments are important for reference by other instructors or evaluators during future training or evaluation.
- f. Sign the form in the first unused block.

MAINTENANCE TEST FLIGHT MANEUVERS GRADE SLIP (CH-47)		
For use of this form, see TC 1-216; the proponent agency is TRADOC.		
Examinee's / Trainee's Name <u>KING, STEVEN R.</u> Date <u>3 AUG 92</u>		
Instructor or evaluator will sign in the first unused block		
NO	MANEUVER/ PROCEDURE	GR
1	PRIOR-TO-MAINTENANCE-TEST-FLIGHT CHECKS	S
2	BEFORE-STARTING-ENGINE CHECKS	S
3	LCT MANUAL OPERATION CHECK	S
4	STARTING ENGINE CHECKS	S
5	AFCS EVALUATION	S
6	ENGINE RUN-UP CHECKS	S
7	AFCS FUNCTION CHECK	S
8	DROOP ELIMINATOR CHECK	S
9	TORQUE DIFFERENTIAL CHECK	S
10	TAXI CHECKS	S
11	MECHANICAL RIG CHECK	S
12	BASELINE AND NORMAL ENGINE HEALTH INDICATOR TEST	S
13	CONTROL POSITION CHECK	S
14	BEFORE-HOVER CHECKS	S
15	SPEED SWEEP CHECKS	S
16	LCT LIFT-OFF/RETRACTION CHECK	S
17	AUTOROTATION RPM CHECK	S
18	SELF-TUNING VIBRATION ABSORBER CHECK	S
19	RRPM DROOP CHECK AND THRUST ROD SLIPPAGE CHECK	S
20	TURBINE ENGINE ANALYSIS CHECK	S
21	COMMUNICATION AND NAVIGATION EQUIPMENT CHECKS	S
22	AFTER-LANDING CHECKS	S
23	ENGINE SHUTDOWN CHECK	S
24	ORAL EVALUATION	S
25	<i>Richard R. Wood</i>	
26		
27		
28		
29		
30		
31		
32		
33		

NOTE: ITEMS 25 THROUGH 33 INTENTIONALLY LEFT BLANK FOR LATER USE.

DA FORM 5051-5-R, AUG 92

EDITION OF JUL 90 IS OBSOLETE.

Figure 9-7. Sample of a completed DA Form 5051-5-R

9-5. DA FORM 7121-R (BATTLE-ROSTERED CREW EVALUATION/TRAINING GRADE SLIP)

This form is used to record information about battle-rostered crew evaluations and training. It consists of two pages and is identical for all Army aircraft or simulation devices. Figures 9-8 and 9-9 (pages 9-14 and 9-15) show a sample of a completed DA Form 7121-R. Instructions for completing this form are given below.

a. Battle-Rostered Crew Examinees/Trainees and Evaluator/Instructor. Fill in the names and ranks of the PC and PI in the space provided. Enter the duty symbols, names, and ranks of the nonrated crew members in the space provided. Then enter the unit of the crew. Required entries in the evaluator/instructor block are self-explanatory. Show last names first.

b. Crew Data.

(1) Total battle-rostered crew hours. Enter the total hours flown as a battle-rostered crew.

(2) Date designated a battle-rostered crew. Enter the CRL 1 certification date.

(3) Purpose. Circle evaluation or training. If evaluation, write in the specific purpose of the evaluation flight; for example, no-notice.

(4) Time today and cumulative time. Enter flight time today at the completion of the evaluation or training flight. Use the cumulative time block to record accrued flight training time. When more than one flight period is required for the evaluation, enter the accrued evaluation time.

(5) Type of aircraft, crew tasks, mode of flight, and time flown. Enter the type of aircraft. For crew tasks evaluated, enter either S or U in the space provided and circle the appropriate mode of flight. Enter the time flown in the block below each applicable condition; that is, day, night, WX, simulator, NVG, and NVS.

c. Evaluator/Instructor Recommendations. Enter an X in the box, and circle the appropriate status of crew qualifications. If the crew requires additional training, place an X in the appropriate box and circle the type of training. Enter an X in the box provided if comments are on the back. Use the space on the back to explain unsatisfactory performance, referencing the

appropriate crew task. Recommended additional training also may be listed on the back, even though the crew tasks were performed satisfactorily. After completing the evaluation--

(1) Debrief the examinees or trainees and inform them of their status.

(2) Sign in the space provided on the front of the form and on the first unused line after the comments on the back.

(3) Obtain the PC's, PI's, and nonrated crew members' signatures on the front of the form and beside your signature after the comments on the back. (By signing the form, the crew members acknowledge that they have been debriefed. Their signatures do not mean that they concur or nonconcur with the results.)

(4) Circle S, U, or NA to indicate the overall grade for the flight based on the considerations below. Then enter the date.

(a) During training flights, individual maneuvers or procedures may be graded unsatisfactory (U) without resulting in an overall grade of unsatisfactory.

(b) When used to develop a crew training program, the proficiency flight evaluation may be ungraded (NA).

(c) During any evaluation flight, an unsatisfactory grade (U) for an individual crew member will result in an overall grade of unsatisfactory for the crew. When the crew is reevaluated, the tasks graded unsatisfactory, as a minimum, must be evaluated again.

BATTLE-ROSTERED CREW EVALUATION/TRAINING GRADE SLIP						
For use of this form, see TC 1-209 and TCs 1-211 through 1-219; the proponent agency is TRADOC.						
BATTLE-ROSTERED CREW EXAMINEES/TRAINEES	NAME		RANK			
	PC: JAMES, WINDOM J.		CW 4			
	PI: GOSSARD, JAY J.		CW 3			
	NONRATED CREW MEMBERS					
	DUTY SYMBOL	NAME	RANK			
FE	NIETSCHE, FRED D.	SFC				
CE	BACH, JOHANN S.	SSG				
UNIT:						
EVALUATOR/INSTRUCTOR	NAME		RANK			
	YAEGER, CHARLES E.		CPT			
UNIT: B CO 1-282 AVN						
CREW DATA						
TOTAL BATTLE-ROSTERED CREW HOURS: 30			DATE DESIGNATED A BATTLE-ROSTERED CREW: 3 Aug 92			
PURPOSE: EVALUATION TRAINING NO-NOTICE						
TIME TODAY: 2.0			CUMULATIVE TIME:			
TYPE AIRCRAFT: CH-47						
CREW TASK 1		S	D/N/NVD	CREW TASK 6		D/N/NVD
CREW TASK 2		S	D/N/NVD	CREW TASK 7		D/N/NVD
CREW TASK 3		S	D/N/NVD	CREW TASK 8		S D/N/NVD
CREW TASK 4		D/N/NVD		CREW TASK 9		D/N/NVD
CREW TASK 5		S	D/N/NVD	CREW TASK 10		D/N/NVD
DAY	NIGHT	WX	SIMULATOR	NVG	NVS	
				2.0		
EVALUATOR/INSTRUCTOR RECOMMENDATIONS						
<input checked="" type="checkbox"/> (ISSUE) (VALIDATE) CREW QUALIFICATIONS						
<input type="checkbox"/> (SUSPEND) (REVOKE) CREW QUALIFICATIONS						
<input type="checkbox"/> REQUIRES ADDITIONAL (FLIGHT) (ACADEMIC) (SIMULATION DEVICE) TRAINING						
<input checked="" type="checkbox"/> SEE BACK FOR COMMENTS						
I HAVE DEBRIEFED THE EXAMINEES/TRAINEES AND INFORMED THEM OF THEIR STATUS.						
EVALUATOR'S/INSTRUCTOR'S SIGNATURE: Charles E. Yeager						
WE HAVE BEEN DEBRIEFED BY THE EVALUATOR/INSTRUCTOR AND UNDERSTAND OUR CURRENT STATUS.						
PC'S SIGNATURE: Windom J. James						
PI'S SIGNATURE: Jay J. Gossard						
NONRATED CREW MEMBERS' SIGNATURES: Fred D. Nietzsche						
Johann S. Bach						
OVERALL GRADE FOR THIS FLIGHT IS: <input checked="" type="radio"/> S <input type="radio"/> U <input type="radio"/> NA				DATE: 26 MAR 92		

DA FORM 7121-R, MAR 92

Figure 9-8. Sample of a completed DA Form 7121-R (front)

COMMENTS

THIS HAS BEEN A SATISFACTORY NO-NOTICE
CREW EVALUATION FOR CW4 JAMES, CW3 GOSSARD,
SFC NIETSCHE, AND SSG BACH.

William J. James
Jay J. Gossard
Fred D. Nietzsche
Johann S. Bach

Charles E. Yaeger

Figure 9-9. Sample of a completed DA Form 7121-R (back)